

## Product datasheet for MR203329

### Tmem55a (NM\_028264) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tmem55a (NM_028264) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tmem55a
Synonyms:	2610319K07Rik; AI315591; AV001360; Pip4p2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203329 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCTGCTGACGGGTGGACGAACGTTTCGCTCTGCTGTCAGCATCCCATTCCGGGAAATGTCACCTCCCA  
CAGCCCCGCCGTACTTGCAGGAAAGCAGCCCCAGAGCTGAACTCCCACCTCCGTATACAGCCATCGCCAG  
TCCAGGAACAAGTGGTATCCCGTGATCAACTGTCGTGTGTGCCAATCTCTAATCAACCTGGATGGTAAA  
CTTCACCAGCATGTGGTTAAGTGCACAGTTTGAATGAAGCTACGCCAATCAAACCCCCCAACAGGGA  
AGAAATATGTTAGATGCCCTTGAATTGTCTACTATTTGTAAGGATACATCTCGGCGAATAGGATGTCC  
GAGACCAACTGTCGACGCATAATTAACCTTGGCCCCGTAACTGCTCATTCTGAAGAGCAACCAGCCCAA  
CCTGCATTGCCGATCCAGCCAGAAGGCACAAGGGTAGTGTGCGGGCACTGCGGGAACACATTCTGTGGA  
TGGAAGTGAAGTTCAACACTCTGGCAAAATGCCACACTGCAAAAAAATCTCCTCGGTAGGTAGCGCCCT  
TCCCCGGAGACGCTGCTGTGCGTATGCACCATCGGAATGATATGATTTTCATTGCAGTTGGATTAAC  
GTTGGCACACAAGATTTTCAAGGCGATTTTCATGCAACCTATGTGTCTTGGGCAATTGCTTATCTGCTAG  
GTTTGATTTGCCTTATCCGAGCTTGTACTGGGGCGCAATCAGAGTCAGTTATCCAGAGCACGGCTTTGC  
T

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_028264.4](#)

**RefSeq Size:** 2280 bp

**RefSeq ORF:** 774 bp

**Locus ID:** 72519

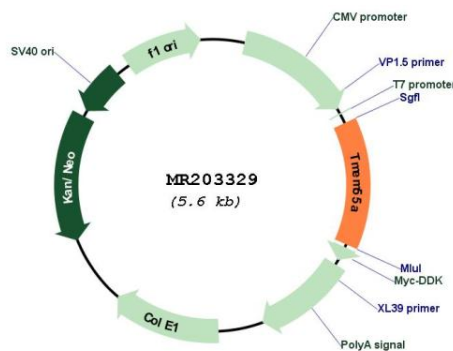
**UniProt ID:** [Q9CZX7](#)

**Cytogenetics:** 4 A1-A2

**MW:** 28 kDa

**Gene Summary:** Catalyzes the hydrolysis of phosphatidylinositol-4,5-bisphosphate (PtdIns-4,5-P<sub>2</sub>) to phosphatidylinositol-4-phosphate (PtdIns-4-P) (By similarity). Does not hydrolyze phosphatidylinositol 3,4,5-trisphosphate, phosphatidylinositol 3,4-bisphosphate, inositol 3,5-bisphosphate, inositol 3,4-bisphosphate, phosphatidylinositol 5-monophosphate, phosphatidylinositol 4-monophosphate and phosphatidylinositol 3-monophosphate (By similarity). Negatively regulates the phagocytosis of large particles by reducing phagosomal phosphatidylinositol 4,5-bisphosphate accumulation during cup formation (PubMed:29378918).[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR203329